

## Science GE DOK Alignment Chart

## EARTH/SPACE SCIENCE

## Grades 1-2

## GE 44-47

| DOK & NECAP<br>Release Item Codes   | GE Statement with Ceiling DOK  | Science Concepts  | Examples/Practice<br>Items |
|---|--|---|----------------------------|
| <b>Enduring Knowledge: The universe, earth and all earth systems have undergone change in the past, continue to change in the present and are predicted to continue changing in the future.</b> |  |   |                            |
| <b>DOK 2</b>  | <b>S1-2:44 (DOK 2)</b><br><b>Students demonstrate their understanding of Characteristics of the Solar System by...</b><br>• Observing and recording how the sky looks at different times.  | Science Concepts:<br>a. The moon looks slightly different every day, but looks the same again about every four weeks.<br>b. The moon can be seen sometimes at night and sometimes during the day. |                            |
| <b>DOK 2</b>  | <b>AND</b><br>• Keeping a journal record of the shape of the moon each night for a month.  |   |                            |
| <b>DOK 1</b>  | <b>S1-2:45 (DOK 1)</b><br><b>Students demonstrate their understanding of Processes and Change over Time within Systems of the Universe by...</b><br>• Drawing a picture of stars in the night sky.   | Science concept:<br>a. There are more stars in the sky than anyone can easily count, but they are not scattered evenly; and they are not all the same in brightness or color.                     |                            |
| <b>DOK 2</b><br><b>ESS1(K-4)INQ-1</b>   | <b>S1-2:46 (DOK 2)</b><br><b>Students demonstrate their understanding of Processes and Change over Time within Systems of the Universe by...</b><br>• Observing, describing and comparing color and texture of different types of rocks and soils. | Science Concepts:<br>a. Earth materials are solid rocks and soils.<br>b. Soils and rocks have properties of color and texture; in addition, some soils retain different amounts of water.         |                            |
| <b>DOK 2</b><br><b>ESS1(K-4)INQ-2</b>   | <b>AND</b><br>• Conducting tests on how different types of soils retain water.   |   |                            |
| <b>DOK 2</b><br><b>ESS1(K-4)INQ + SAE-4</b>   | <b>S1-2:47 (DOK 2)</b><br><b>Students demonstrate their understanding of Processes and Change over Time within Earth Systems by...</b><br>• Creating categories of “things that change” and keeping a record of them over the school year.         | Science Concept:<br>a. Change is something that happens to many things.   |                            |

## Science GE DOK Alignment Chart

## EARTH/SPACE SCIENCE

## Grades 1-2

## GE 48-49

| DOK & NECAP<br>Release Item Codes   | GE Statement with Ceiling DOK  | Science Concepts  | Examples/Practice Items |
|---|--|---|-------------------------|
| <b>Enduring Knowledge: The universe, earth and all earth systems have undergone change in the past, continue to change in the present and are predicted to continue changing in the future. (continued)</b> |  |   |                         |
| <b>DOK 2</b><br><b>ESS1(K-4)NOS-3</b><br><b>ESS1(K-4)POC-5</b>  | <b>S1-2:48 (DOK 2)</b><br><b>Students demonstrate their understanding of Processes and Change over Time within Earth Systems by...</b><br>• Observing and recording weather data through the seasons and identifying and drawing conclusions based on the <b>patterns</b> in the data collected. | Science Concepts:<br>a. The sun provides the light and heat necessary to maintain the <b>temperature</b> of the earth.<br>b. There are cyclical changes that we see throughout the seasons that can be observed and recorded. |                         |
| <b>DOK 1</b><br><b>LS1(K-4)SAE-5</b>  | <b>S1-2:49 (DOK 1)</b><br><b>Students demonstrate their understanding of Processes and Change within Natural Resources by...</b><br>• Identifying the natural sources of the food that is consumed on a daily basis (e.g., Bread-- wheat—flour; Sap—maple syrup; Pasture—meat and dairy).        | Science Concept:<br>a. Most food comes from farms either directly as crops or through the animals that eat the crops.   |                         |